



US EPA RECORDS CENTER REGION 5



513904

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

April 18, 1994

Regional Administrator
United States Environmental
Protection Agency, Region 5
ATTN: Darryl Owens
Mail Code 5HS-11
230 South Dearborn Street
Chicago, Illinois 60604

Director, Solid and Hazardous
Waste Division
Minnesota Pollution Control Agency
ATTN: Site Response Section
520 Lafayette Road North
St. Paul, Minnesota 55155

President
Reilly Industries, Inc.
1510 Market Square Center
151 North Delaware
Indianapolis, Indiana 46204

RE: United States of America, et al. vs. Reilly Tar &
Chemical Corporation, et al.
File No. Civ. 4-80-469

Gentlemen:

In correspondence dated September 21, 1993, the Parties were advised by the City that it would develop a groundwater flow model for the Prairie du Chien - Jordan Aquifer in the vicinity of the City. The purpose of the model was to examine the effectiveness of wells SLP4 and SLP6 as gradient control wells in the absence of W48. Accompanying this letter is a copy of the referenced model's results.

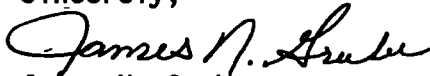
The modeling results indicate either well SLP4 or SLP6 provide gradient control in the absence of pumping at well W48. Figures 5 through 8 indicate SLP4 serves as a more effective gradient control well in each quarter (of the year); therefore, the City has elected to use SLP4 as a primary pumping well for municipal water use and a primary gradient control well. In order to maximize the effectiveness of the gradient control system, the City operates SLP8 and/or SLP16, SLP 10 and/or SLP15, and SLP4 at all times. With these wells operating, it is anticipated the first quarter 1994 groundwater movement should have reflected conditions depicted in Figure 5.

Letter to USEPA, MPCA, Reilly
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Given the outcome of the modeling, the City is confident the Prairie du Chien - Jordan Aquifer gradient control system is successfully controlling the movement of the groundwater.

Questions regarding this submittal may be directed to this office.

Sincerely,



James N. Grube
Director of Public Works

ENCL

cc: Elizabeth Thompson, Popham-Haik Law Firm (w/o enclosure)
Bill Gregg, ENSR Consulting and Engineering (w/ enclosure)
Reilly File